

## Forstschutz Aktuell Nr. 16 - Abstracts

### Decline of *Acer pseudoplatanus* in Upper Austria

T. Cech

Decline of *Acer pseudoplatanus* in Upper Austria, accompanied by bark necroses, stem cracks and *Nectria coccinea* (Pers. Ex Fr.) Fr. Climatic predispositions are discussed.

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### WBS 1994 - Crown condition and mechanical damage

G. Steyrer

The results of the 1994 crown condition survey show in comparison to previous years a slight improvement of defoliation-degree over all species. Separated by species *Pinus sylvestris*, *Abies alba* and *Quercus* spp. deteriorated, whereas *Picea abies*, *Larix decidua* and *Fagus sylvatica* improved. Mechanical damages to stem and/or to crown were found on 45 % of all sample trees. Remarkably trees with branches damaged by wind (21 % of the sample trees) have a considerably higher defoliation than not afflicted trees. The presence of this type of damage could partly have influenced the assessment of crown condition.

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### Ameisenhege - Teil eines integrierten Forstschutzprojektes gegen die Kleine Fichtenblattwespe

M. Brandstetter

Observation and monitoring of ant colonies (*Formica polyctena*) in connection with a project of integrated pest management against the Norway spruce sawfly *Pristiphora abietina* in Upper Austria.

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### Occurrence and degree of infestation of the Horse chestnut-leafmining-moth *Cameraria ohridella* in Austria

H. Krehan

The lithocolletid-moth *Cameraria ohridella* which first had been reported in Austria in 1989, was spread all over the country in 1994. More than 70 % of all the 1303 examined horse chestnut trees showed characteristic mines on their leaves caused by the larvae of the moth. In Vienna and Lower Austria more than 80 % of the observed trees were damaged, sometimes so strong that trees lost their leaves already in July. Additional factors damaging horse chestnut leaves were examined. The leaf blotch fungus *Guignardia aesculi* was the dominating factor of leaf-injuries in Tyrol and Salzburg, whereas in Eastern Austria a lot of trees showed necrotic brown parts at the edge of the leaves as a consequence of salt spray or summer draught. In the forests beside the Danube (Lobau) young maples (*Acer*) also were infested by the moth, which has not been observed before.

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### Vergleich von Buchdrucker-Pheromonen und Fallentypen ; Ergebnisse und Empfehlungen

B. Perny

Field trials with different Pheromone products and trap-types against the spruce bark beetle, *Ips typographus*, which had begun in 1993, were continued in 1994. Four different compounds of beetle pheromones and 4 different kinds of traps were tested in 3 locations in Lower and Upper Austria. The results show, that three pheromone products Pheroprax, Pheroplates and Ipsodor are pretty equal and can be recommended for the use in traps and on traplogs. The best trap was the Theysohn-Slottrap, followed by the white funnel trap, the AFA-flight-barriertrap and finally the black funnel trap.

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### Borkenkäfer als Schädlinge an exotischen Koniferen

B. Perny

Report on the occurrence of bark beetles (*Phloeosinus thujae* and *P. aubei*) on arbor-vite and false cypress in Lower Austria and Vienna.

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